

F i g . 1

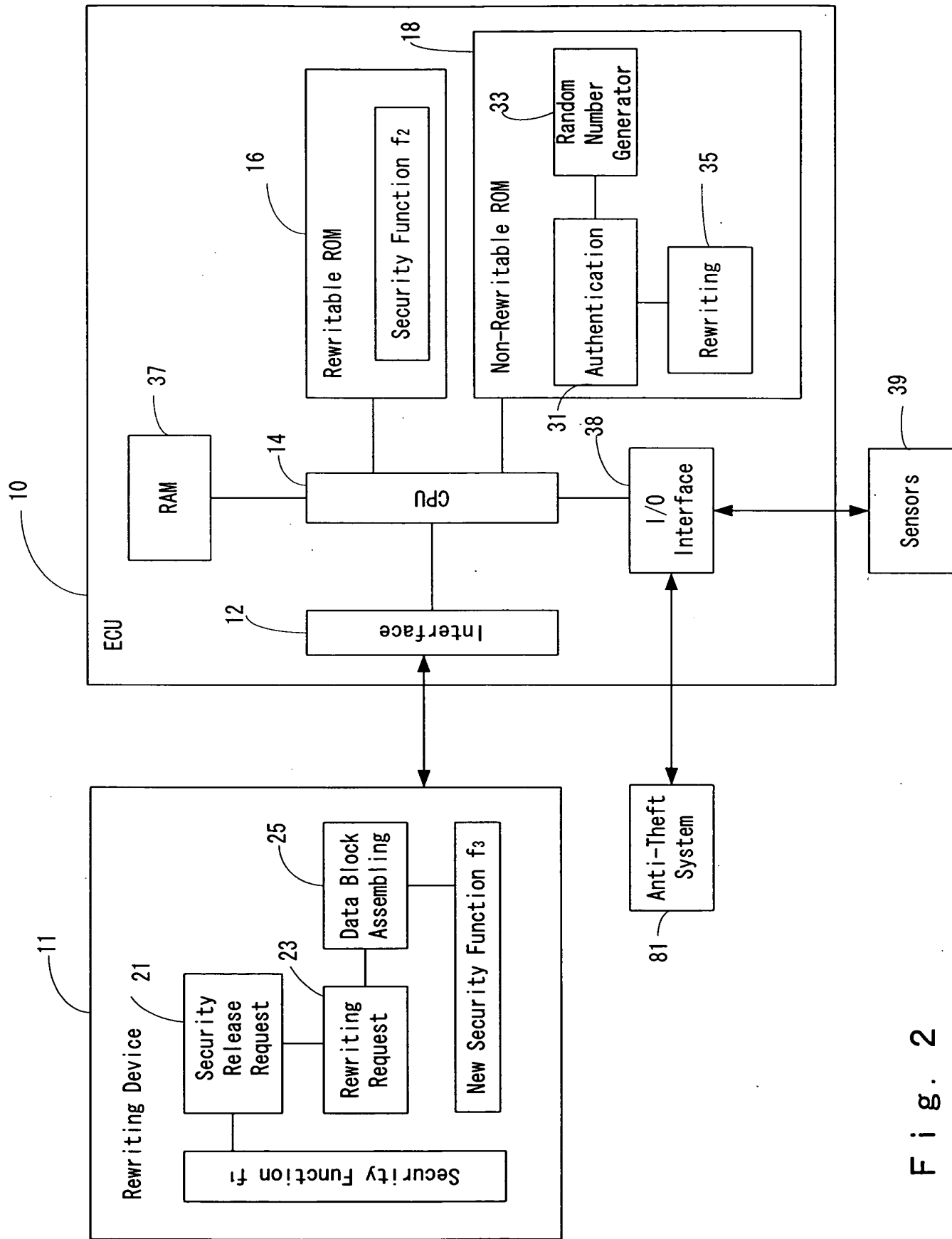


Fig. 2

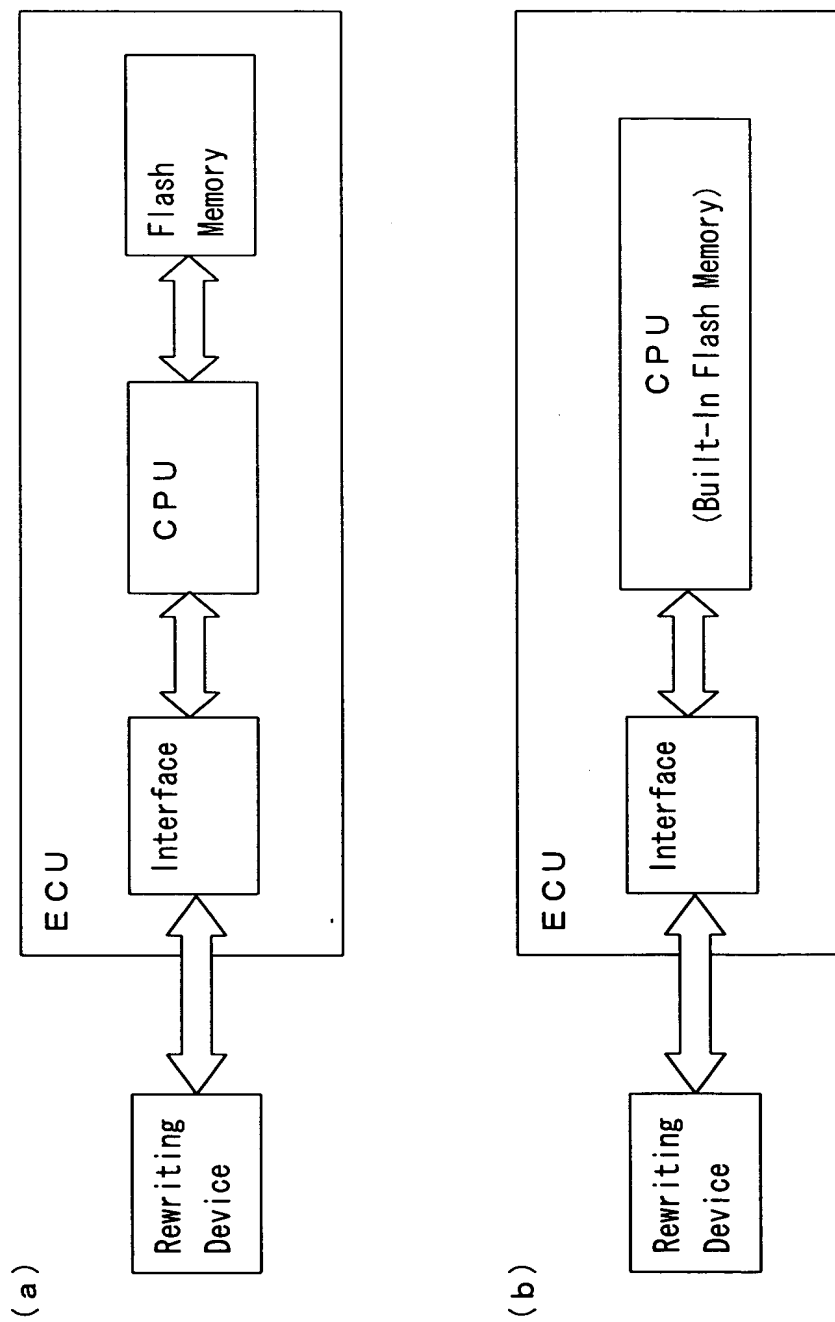


Fig. 3

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sequenceDiagram
    participant RD as Rewriting Device
    participant ECU as ECU

    RD->>ECU: Request for Releasing Security
    ECU->>RD: Authentiation
    RD->>ECU: Notificaton of Rewriting Start
    ECU->>RD: Permission of Rewriting Start
    RD->>ECU: Request for Shifting to Rewriting Mode
    ECU->>RD: Permission of Shifting to Rewriting Mode
    RD->>ECU: Query about Completion of Shift
    ECU->>RD: Completion of Shift
    RD->>ECU: Request for Deletion
    ECU->>RD: Completion of Deletion
    RD->>ECU: Request for Rewriting
    ECU->>RD: Completion of Rewriting
    RD->>ECU: .
    ECU->>RD: .
    RD->>ECU: Request for Rewriting
    ECU->>RD: Completion of Rewriting
    RD->>ECU: Request for Releasing the Rewriting Operation Mode
    ECU->>RD: Step 4 7
    RD->>ECU: Completion of Releasing
    ECU->>RD: 
  
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The diagram illustrates the communication between a Rewriting Device and an ECU. The sequence of messages is as follows:

- Request for Releasing Security** (Rewriting Device to ECU)
- Authentiation** (ECU to Rewriting Device)
- Notificaton of Rewriting Start** (Rewriting Device to ECU)
- Permission of Rewriting Start** (ECU to Rewriting Device)
- Request for Shifting to Rewriting Mode** (Rewriting Device to ECU)
- Permission of Shifting to Rewriting Mode** (ECU to Rewriting Device)
- Query about Completion of Shift** (Rewriting Device to ECU)
- Completion of Shift** (ECU to Rewriting Device)
- Request for Deletion** (Rewriting Device to ECU)
- Completion of Deletion** (ECU to Rewriting Device)
- Request for Rewriting** (Rewriting Device to ECU)
- Completion of Rewriting** (ECU to Rewriting Device)
- .** (Rewriting Device to ECU)
- .** (ECU to Rewriting Device)
- Request for Rewriting** (Rewriting Device to ECU)
- Completion of Rewriting** (ECU to Rewriting Device)
- Request for Releasing the Rewriting Operation Mode** (Rewriting Device to ECU)
- Step 4 7** (ECU to Rewriting Device)
- Completion of Releasing** (Rewriting Device to ECU)
- .** (ECU to Rewriting Device)

**F i g . 4**

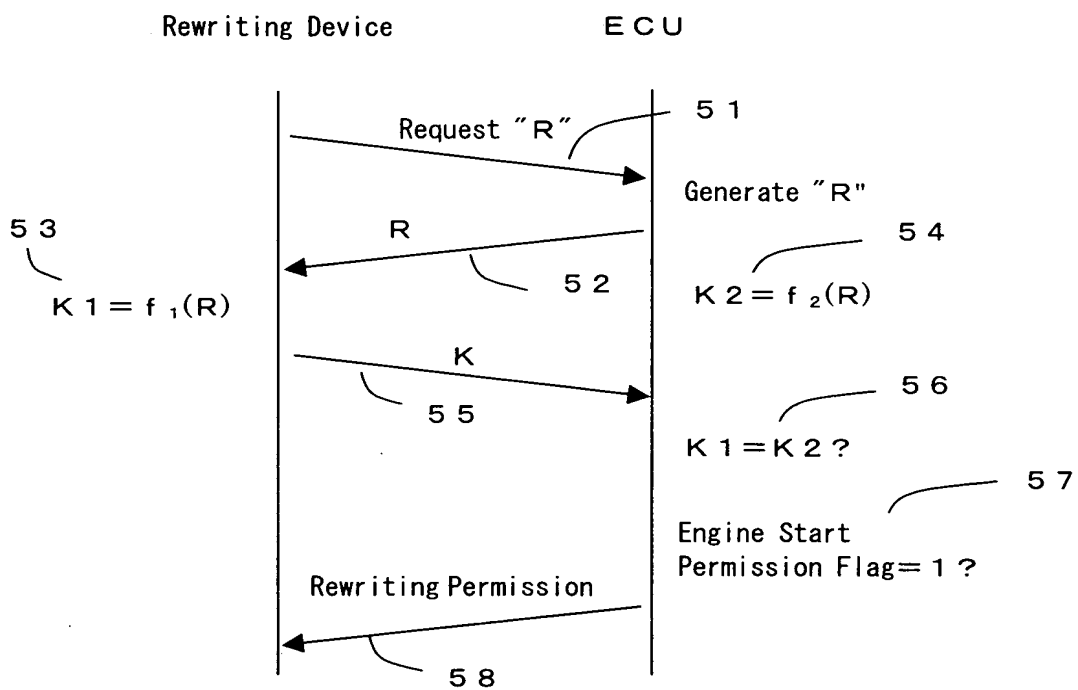
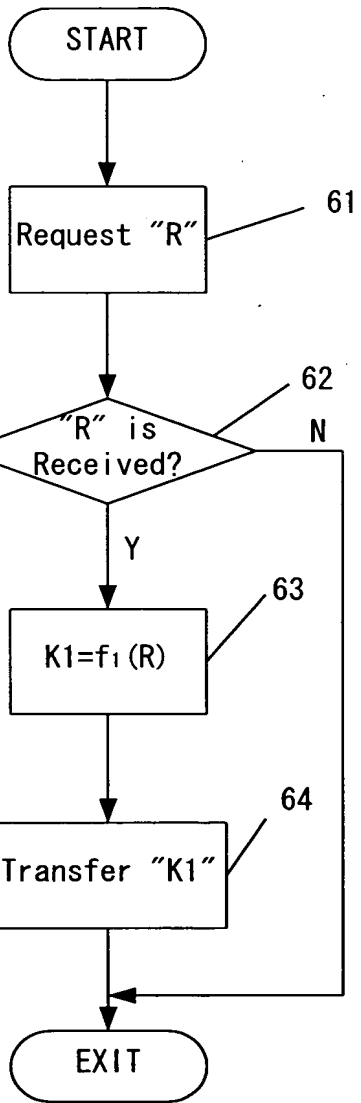


Fig. 5



F i g . 6

[illegible]

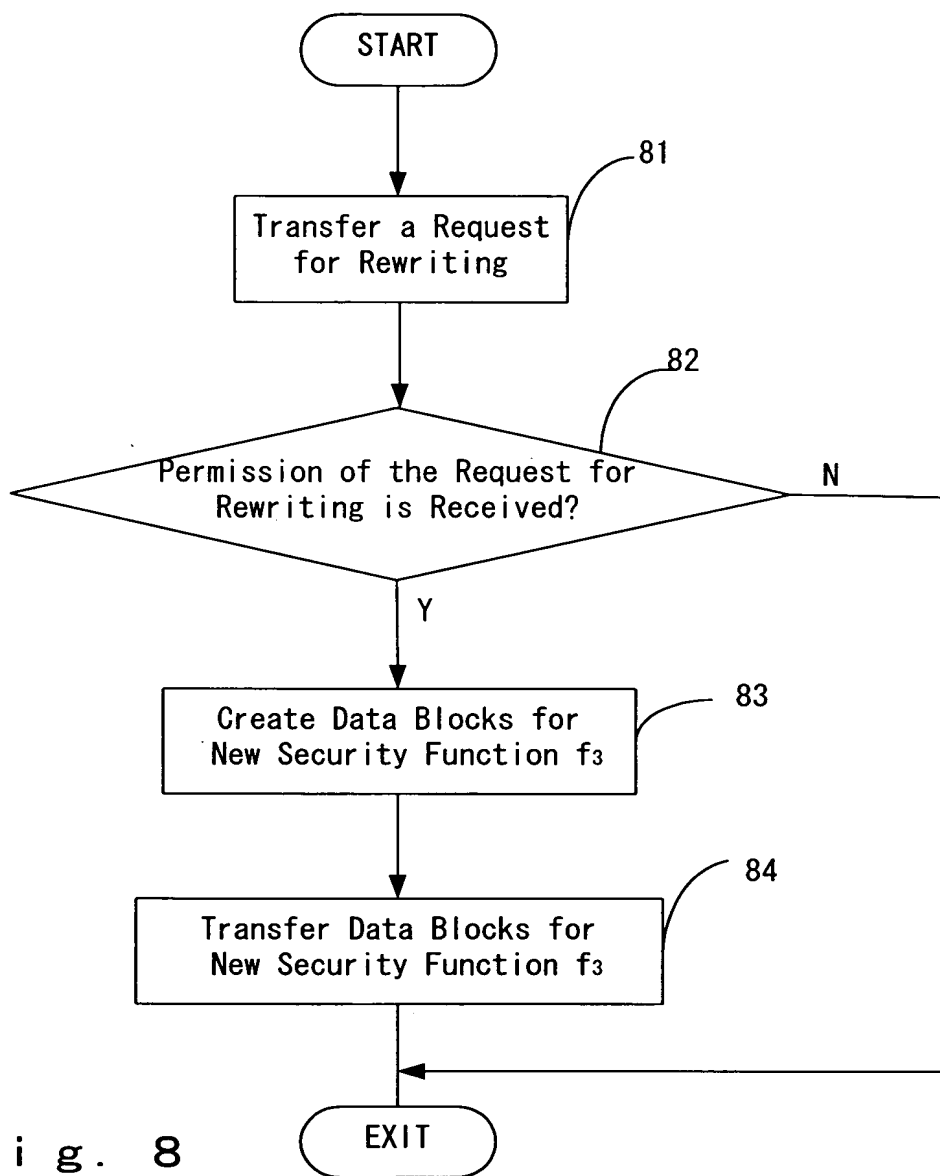
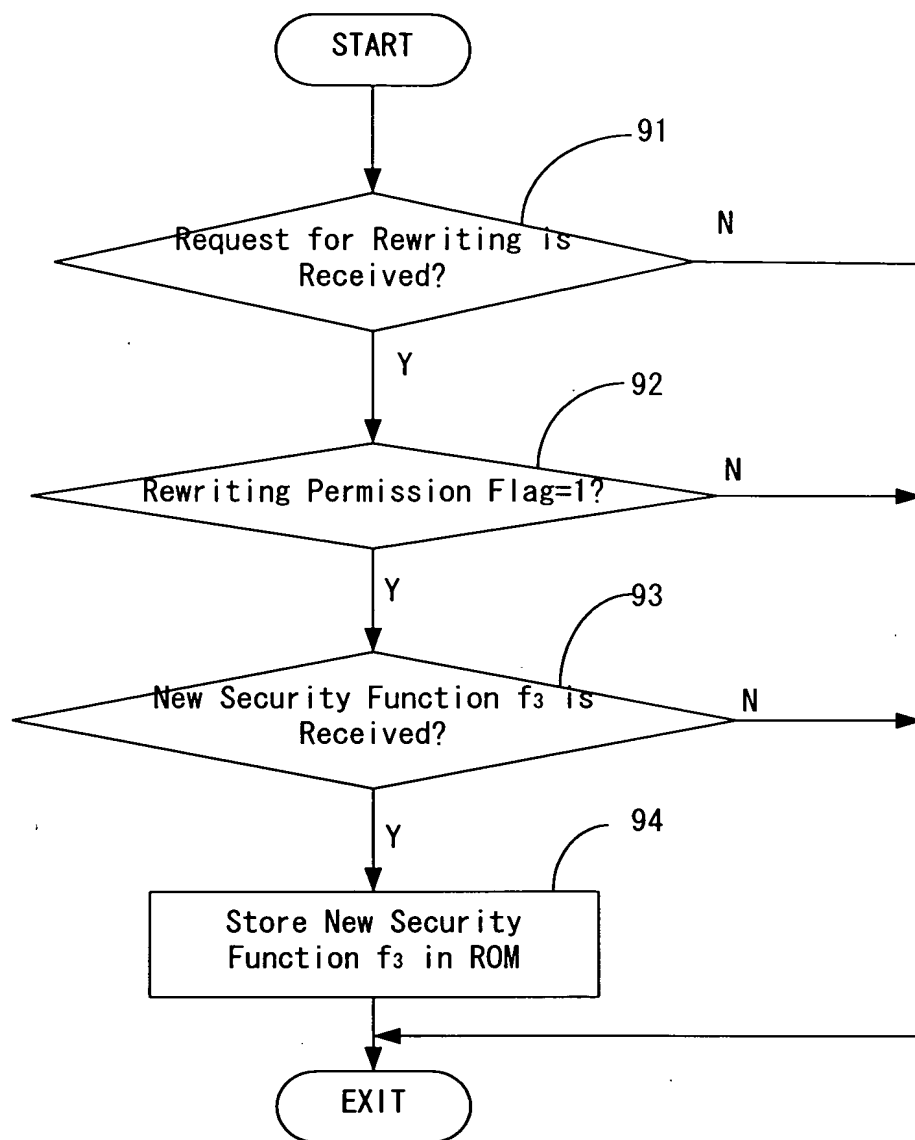


Fig. 8





F i g . 9